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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/587,141	07/21/2006	Michael J. Minot	INCOM-001XX	4985
297	7590	09/26/2011	EXAMINER	
WEINGARTEN, SCHURGIN, GAGNEBIN & LEBOVICI LLP			NAGPAUL, JYOTTI	
TEN POST OFFICE SQUARE			ART UNIT	PAPER NUMBER
BOSTON, MA 02109			1773	
MAIL DATE		DELIVERY MODE		
09/26/2011		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/587,141	MINOT ET AL.	
Examiner	Art Unit		
JYOTI NAGPAUL	1773		

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extension of time may be available under the provisions of 37 CFR 1.13(b)(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 14 December 2010.
2a) This action is FINAL. 2b) This action is non-final.
3) An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
4) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

5) Claim(s) 1-42 is/are pending in the application.
5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6) Claim(s) _____ is/are allowed.

7) Claim(s) 1-15, 19-20 and 29-42 is/are rejected.

8) Claim(s) 16-18 and 21-28 is/are objected to.

9) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

10) The specification is objected to by the Examiner.
11) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
12) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. ____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date, ____.
3) Information Disclosure Statement(s) (PTO/CB/06) 5) Notice of Informal Patent Application
Paper No(s)/Mail Date 6) Other: _____

DETAILED ACTION

Amendment filed on November 2, 2010 is acknowledged. Claims 1-42 are pending.

Response to Amendment

Rejection of Claims 1-10, 14-15, 20 and 29-42 as being anticipated by Rushbrooke (US 6646272) has been withdrawn in light of applicants' arguments/amendments.

Rejection of Claims 11-13 as being unpatentable over Rushbrooke has been withdrawn in light of applicants' arguments/amendments.

Rejection of Claims 16-19 and 21-28 as being unpatentable over Rushbrooke in view of Cunningham (US 2003/0027327) has been withdrawn in light of applicants' arguments/amendments.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. **Claims 1-10, 14-15, 19-20 and 29-42 are rejected under 35 U.S.C. 102(b) as being anticipated by Walt (US 6667159).**

Walt teaches an optical fiber sensor array comprising a substrate (figure 1) having a surface. The surface defining a plane, the substrate integrally comprising a multiplicity of optic fibers having substantially parallel axes that are essentially

perpendicular to the plane of the substrate. (Figure 1) Walt further teaches a formed layer (thin film, col. 11, Lines 59-68) in contact with the surface of the substrate, the formed layer defining at least one topological feature (well), wherein the topological feature communicates with at least one optic fiber for interrogation of a sample. The layer (thin film) formed on the surface of the substrate comprises a photoresist material. (Col. 11, Lines 59-65) Walt further teaches at least one optic fiber is associated with at least one charged coupled device for interrogation of the sample. Walt further teaches contacting the layer (thin film) with a sample, wherein the sample is partially contained by at least one topological feature (well) and interrogating the sample or an event associated therewith, and further wherein interrogation is performed by at least one optic fiber. Walt further teaches the layer (thin film) is contacted by a plurality of samples, wherein each sample is partially contained by at least one topological feature (well).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.

2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

5. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

6. **Claims 11-13** are rejected under 35 U.S.C. 103(a) as being unpatentable over Walt.

Refer above for the teachings of Walt.

Walt fails to the layer formed on the surface of the substrate has a thickness less than about 250 micrometers and a diameter of at least one well is less than about 10 mm.

It would have been obvious to one having ordinary skill in the art to modify the layer formed on the surface of the substrate device of Walt to have a thickness less than about 250 micrometers and a diameter of at least one well is less than about 10 mm to use a smaller sample size when performing the analysis.

Allowable Subject Matter

7. Claims 16-18 and 21-28 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

8. Applicant's arguments with respect to claims 1-42 have been considered but are moot in view of the new ground(s) of rejection. Refer to rejection above.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JYOTI NAGPAUL whose telephone number is (571)272-1273. The examiner can normally be reached on Monday thru Friday (10:00-7:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jill Warden can be reached on 571-272-1267. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Jyoti Nagpaul/
Primary Examiner, Art Unit 1773